County General Highway Maps

A Product Overview and Software Demo for using with Key Sheets

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What are they?

- Statewide series of maps depicting the general road system of each county

- Show planimetric information needed for highway planning
  - Contains features visible from aerial photography such as streets, buildings, lakes, etc.

What do they show?

- County Boundaries
- Military Bases
- Parks/Forests
- Native American Reservations
- Quad Boundaries*
- Township/Range/Sections
- Cultural Features
  - Hospitals, schools, churches, etc

- Water Features
  - Lakes, rivers, oceans
- City Limits
- Populated Areas
- Airports & Runways
- Bridges
- Railroads & Rail Stations
- Rest Areas, Weigh Stations, Welcome Centers
- Roads
  - All major highways, local roads, and city streets*

How are they made?

In the Past:
- Field Inventories
- Manuscripts
- CADD files
- Aerial Imagery

How are they made?

Presently:
- Enterprise datasets
- Interoffice and interagency collaboration
- Aerial Imagery
- GIS

Future of County Maps

- Interactive, online maps
- Possible customer interaction with maps
  - Ex: sketch up areas where changes should be made
- Creating key sheets directly from the web vs. referencing files
  - This would ensure the most current data is always being used

Where can you find them?

Surveying and Mapping Office Internet Site:

http://www.dot.state.fl.us/surveyingandmapping/

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What if I need older versions?

- Historic maps are available in a PDF format only.

- Older black & white versions (no longer maintained) are still available in DGN format

- Contact the Surveying and Mapping Office:

  Andra McMillan

  850-245-1577

  Andra.Mcmillan@dot.state.fl.us

How County Maps and/or data from County Maps have been used throughout FDOT	
Construction	Current project location and plotting of 5-year work program projects
Public Transportation	Base maps for public transportation facility locations (railroad subdivisions, timetable station locations), airport licensing, key sheets for plans, project development
Right of Way	Location maps, information requests by the public, key to R/W indexing sheets, reliable source of section/township/range information, appraisals
Transportation Statistics and Systems Planning	Show city limits/urban boundaries, roadway transfers, state highway system section map, access management classifications, plotting project location maps, roadway alignments, HPMS segments, traffic count locations, functional classification maps, roadway transfer packages, RCI locators, bridges, distribution of information to local government, level of service maps.
Roadway Design	Key sheet maps, locate projects in work program and production
Maintenance	Route identification, presentations/demonstrations, identifying project limits, reference for emergency work with cities and counties, general reference in daily operations, distribution to public, bridge location maps.
Environmental Management	Project location maps for reports and environmental documents
Traffic Operations	Route determination and location maps
Emergency Management	Maps are used in support of emergency operations (accidents, natural disasters)
Surveying & Mapping/Location	Reference, location maps on R/W control maps and federal aid cover sheets, detailed reconnaissance work, negotiating man-hours for surveying/mapping activities, projects are indexed on county maps, section corner locations, plotting of GPS points for network control, reference in reconnaissance of control stations for GPS work.
Turnpike	Overlaying RCI roadway sections, location of sections/township/range for roadways and facilities, location of cultural features, urban area boundary location, local road name/number reference

How to use in Key Sheets

- Uses FDOT2010
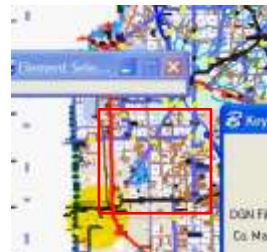 - Key sheet clipping program built in
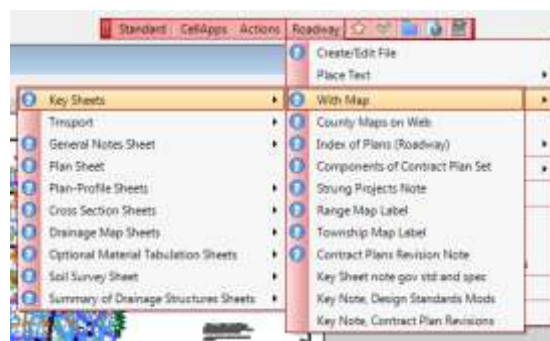
How to use in Key Sheets

- Make sure a copy of the County Map DGN is located in the project directory

How to use in Key Sheets

- Define Clip Area
  - A small reference box will appear

How to use in Key Sheets

- Clip Key Map

Printing Key Sheets

- Select a new key map plot driver
  - Note: new pen table design
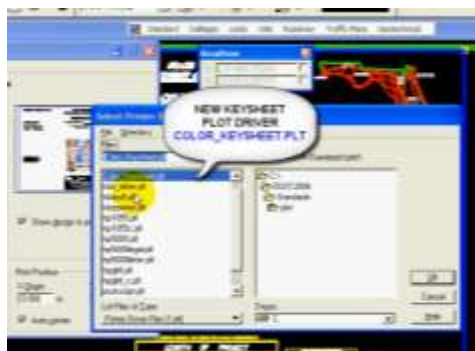
Creating a Key Sheet: Demo

Troubleshooting

- County Road Shields: New files are available with cleared shields and different fonts

- Clip area Prints Black: Still looking into this issue; try using the cleared shields files

- Other issues: contact our in-house expert
  - Andra McMillan, 850-245-1577, Andra.Mcmillan@dot.state.fl.us

Questions?

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